

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A video and/or audio signal processing system comprising:

a recorder configured to record video and/or audio material on a recording medium, the recorder including,

    a first generator configured to generate first material identifiers for identifying respective pieces of material on the medium such that each piece is differentiated from other pieces on the medium,

    a second generator configured to generate second identifiers for pieces of material, the second identifiers being generated in accordance with the first material identifiers and a recording medium identifier for identifying the recording medium upon which the material is recorded, and

    a metadata generator configured to generate semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding first material identifier and the recording medium identifier, the semantic metadata including descriptive information about an actual content of the material,

wherein the recorder is configured to record the first material identifiers, the second identifiers, and the semantic metadata on the recording medium with the video and/or audio material.

Claim 2 (Canceled).

Claim 3 (Previously Presented): A system according to claim 1, wherein a third identifier identifying the machine which initially produces the video and/or audio material is produced and the second generator associates the second identifiers with the recording medium identifier and the first identifiers and the third identifiers in combination.

Claim 4 (Previously Presented): A system according to claim 1, wherein the second identifiers are unique.

Claim 5 (Previously Presented): A system according to claim 1, wherein the first identifiers are recorded on the medium.

Claim 6 (Previously Presented): A system according to claim 1, wherein the first identifiers comprise material reference numbers.

Claim 7 (Original): A system according to claim 6, wherein the first identifiers are recorded in user bits of time codes.

Claim 8 (Previously Presented): A system according to claim 1, wherein the recording medium identifier is recorded on the medium.

Claim 9 (Previously Presented): A system according to claim 1, wherein the medium is contained in a housing.

Claim 10 (Original): A system according to claim 9, having a data store supported by the housing and additional to the medium, and wherein the data store stores at least the medium identifier.

Claim 11 (Previously Presented): A system according to claim 10 wherein at least one first identifier is stored in the data store.

Claim 12 (Previously Presented): A system according to claim 3, having a data store supported by the housing and additional to the medium; and wherein the third identifier is recorded in the said data store.

Claim 13 (Previously Presented): A system according to claim 9, wherein the housing has a label on which data may be written.

Claim 14 (Previously Presented): A system according to claim 1, wherein the medium is contained in a housing and, wherein the medium identifier is written on the housing.

Claim 15 (Previously Presented): A system according to claim 1, further comprising a database processor arranged to associate the second identifiers with at least the first identifiers or with the first identifiers and one or more of the medium identifiers and the third identifiers.

Claim 16 (Currently Amended): A recorder for recording video and/or audio material on a recording medium comprising:

a first generator configured to generate first material identifiers for identifying respective pieces of material on the medium such that each piece is differentiated from other pieces on the medium;

a second generator configured to generate second identifiers for pieces of material, the second identifiers being generated in accordance with the first material identifiers and a recording medium identifier for identifying the recording medium upon which the material is recorded; and

a metadata generator configured to generate semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding first identifier and the recording medium identifier, the semantic metadata including descriptive information about an actual content of the material,

wherein the recorder is configured to record the first material identifiers, the second identifiers, and the semantic metadata on the recording medium with the video and/or audio material.

Claim 17 (Previously Presented): A recorder according to claim 16 wherein the recording medium identifier is recorded on the medium.

Claim 18 (Previously Presented): A recorder according to claim 16, for recording material on a medium contained in a housing which supports a data store additional to the medium, and including a data recording device for recording at least the recording medium identifier in the data store.

Claim 19 (Previously Presented): A recorder according to claim 17, wherein the data recording device is arranged to record at least one of the first identifiers in a data store.

Claim 20 (Original): A recorder according to claim 19 wherein at least the most recently generated of the first identifiers is recorded in the data store.

Claim 21 (Previously Presented): A recorder according to claim 17 wherein the recorder is arranged to produce a machine identifier identifying the recorder and to record the machine identifier on the medium and/or in a data store.

Claim 22 (Previously Presented): A recorder according to claim 18, wherein the recorder is arranged to produce a machine identifier identifying the recorder and to record the machine identifier on the medium and/or in the data store and wherein the recorder is arranged to record the machine identifier in the data store.

Claim 23 (Currently Amended): A device for reproducing video and/or audio material recorded on a recording medium, the medium having at least first material identifiers associated there with and identifying the or each piece of material recorded thereon, the reproducing device comprising:

a generator configured to generate second identifiers for pieces of material, the second identifiers being generated in accordance with the first material identifiers and a recording medium identifier for identifying the recording medium upon which the material is recorded; and

a metadata generator configured to generate semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding first identifier and the recording medium identifier, the semantic metadata including descriptive information about an actual content of the material,

wherein the device is configured to record the second identifiers and the semantic metadata on the recording medium with the video and/or audio material.

Claim 24 (Original): A device according to claim 23 wherein the second generator generates a third identifier identifying the device.

Claim 25 (Previously Presented): A device according to claim 23 wherein the device reproduces the recording medium identifier from the medium and/or from a data store associated with the medium.

Claim 26 (Previously Presented): A device according to claim 23 wherein the device reproduces the material identifier from the medium and/or from a data store associated with the medium.

Claim 27 (Original): A device according to claim 23, arranged to reproduce material recorded on a medium which is contained in a housing supporting a data store additional to the medium, and to read data from the said data store, the second identifiers being generated in dependence on data in the store.

Claim 28 (Previously Presented): A device according to claim 23, wherein the second identifier generator is arranged to derive UMIDs from one or more of tape ID, machine ID, and MURN.

Claim 29 (Previously Presented): A recording medium on which audio and/or video material is recorded, the medium having recorded thereon material identifiers identifying the

recorded material, the material identifiers being in user bits of time code recorded on the medium,

the medium including a substrate and a recording layer, the audio and/or video material being recorded in grooves in the recording layer,

the medium further including semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding material identifier and a recording medium identifier, the semantic metadata including descriptive information about an actual content of the material,

wherein a reproducing apparatus accesses the material identifiers when reproducing the audio and/or video material.

Claim 30 (Original): A medium according to claim 29 further comprising a data store supported by a housing which houses the medium, the datastore storing at least the last recorded of the first identifiers.

Claim 31 (Currently Amended): A video and/or audio signal processing system comprising: [[a]]

a recorder configured to record video and/or audio material on a recording medium the recording medium having an identifier which identifies the medium, the recorder including,

a first generator configured to generate first material identifiers for identifying respective pieces of material on the medium such that each piece is differentiated from other pieces on the medium, and

a metadata generator configured to generate semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a

corresponding first identifier and a recording medium identifier, the semantic metadata including descriptive information about an actual content of the material,  
wherein the recorder is configured to record the first material identifiers, the second identifiers, and the semantic metadata on the recording medium with the video and/or audio material.

Claim 32 (Original): A video and/or audio signal processing system according to claim 31, and comprising a second generator for generating second, universally unique, identifiers for pieces of material, second identifiers being generated in respect of one or more of the first identifiers.

Claim 33 (Currently Amended): A method of processing a video and/or audio signal comprising:

recording video and/or audio material on a recording medium,  
generating first material identifiers for identifying respective pieces of material on the medium such that each piece is differentiated from other pieces on the medium,  
generating second identifiers for pieces of material in accordance with the first material identifiers and a recording medium identifier for identifying the recording medium upon which the material is recorded, and

generating semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding first identifier and the recording medium identifier, the semantic metadata including descriptive information about an actual content of the material, and

recording the first material identifiers, the second identifiers, and the semantic metadata on the recording medium with the video and/or audio material.

Claim 34 (Currently Amended): A method of recording video and/or audio material on a recording medium comprising:

generating first material identifiers for identifying respective pieces of material on the medium such that each piece is differentiated from other pieces on the medium,

generating second identifiers for pieces of material in accordance with the first material identifiers and a recording medium identifier for identifying the recording medium upon which the material is recorded, and

generating semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding first identifier and the recording medium identifier, the semantic metadata including descriptive information about an actual content of the material, and

recording the first material identifiers, the second identifiers, and the semantic metadata on the recording medium with the video and/or audio material.

Claim 35 (Currently Amended): A method of reproducing video and/or audio material recorded on a recording medium, the medium having at least first, material, identifiers associated there with and identifying the or each piece of material recorded thereon, the method comprising:

generating second identifiers for pieces of material,

associating the second identifiers with the first identifiers and a recording medium identifier for identifying the recording medium upon which the material is recorded, and

generating semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding first identifier and the recording medium identifier, the semantic metadata including descriptive information about an actual content of the material, and

recording the first material identifiers, the second identifiers, and the semantic metadata on the recording medium with the video and/or audio material.

Claim 36 (Previously Presented): A computer readable medium including computer executable instructions, wherein the instructions, when executed implement the method of claim 33 when run on a digital signal processor.

Claims 37-101 (Canceled).

Claim 102 (Previously Presented): A computer readable medium including computer executable instructions, wherein the instructions, when executed implement the method of claim 34 when run on a digital signal processor.

Claim 103 (Previously Presented): A computer readable medium including computer executable instructions, wherein the instructions, when executed implement the method of claim 35 when run on a digital signal processor.

Claims 104-132 (Canceled).

Claim 133 (Previously Presented): A system according to claim 4, wherein the second identifiers are universally unique.

Claim 134 (Previously Presented): A system according to claim 133, wherein the second identifiers are UMIDs.

Claim 135 (Previously Presented): A magnetic tape on which audio and/or video material is recorded, the tape having recorded thereon material identifiers identifying the recorded material, the material identifiers being in user bits of time code recorded in the tape,

the tape further including semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding material identifier and a tape identifier, the semantic metadata including descriptive information about actual content of the material,

wherein a reproducing apparatus accesses the material identifiers when reproducing the audio and/or video material.

Claim 136 (Previously Presented): A magnetic tape according to claim 135 further comprising a data store supported by a housing which houses the tape, the data store storing at least the last recorded of the first identifiers.

Claim 137 (Previously Presented): A magnetic disc on which audio and/or video material is recorded, the disc having recorded thereon material identifiers identifying the recorded material, the material identifiers being in user bits of time code recorded on the disc, the disc further including semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding material identifier and a disc identifier, the semantic metadata including descriptive information about actual content of the material,

wherein a reproducing apparatus accesses the material identifiers when reproducing the audio and/or video material.

Claim 138 (Previously Presented): A magnetic disc according to claim 137 further comprising a data store supported by a housing which houses the disc, the data store storing at least the last recorded of the first identifiers.

Claim 139 (Currently Amended): A system comprising:  
a recording/reproducing apparatus; and  
a memory in which audio and/or video material is recorded, the memory having  
recorded therein material identifiers identifying the recorded material, the material identifiers being in user bits of time code recorded in the memory,  
the memory further including semantic metadata describing an attribute of the material, wherein the semantic metadata is associated with a corresponding material identifier and a memory identifier, the semantic metadata including descriptive information about actual content of the material,  
wherein a reproducing apparatus accesses the material identifiers when reproducing the audio and/or video material.

Claim 140 (Currently Amended): A system memory according to claim 139 further comprising a data store supported by a housing which houses the memory, the data store storing at least the last recorded of the first identifiers.

Claim 141 (New): A video and/or audio signal processing system comprising:  
a recorder configured to record video and/or audio material on a recording medium,  
the recorder including,

a first generator configured to generate first material identifiers for identifying respective pieces of material on the medium such that each piece is differentiated from other pieces on the medium,

a second generator configured to generate second identifiers for pieces of material, the second identifiers being generated in accordance with the first material identifiers and a recording medium identifier for identifying the recording medium upon which the material is recorded, and

a metadata generator configured to generate semantic metadata describing an attribute of the material, the semantic metadata associated with a corresponding first material identifier and the recording medium identifier, the semantic metadata including descriptive information about an actual content of the material, and the metadata generator configured to assign the semantic metadata into different categories and to prioritize recording of each of the different categories.

Claim 142 (New): A video and/or audio signal processing system comprising:  
a recorder configured to record video and/or audio material on a recording medium,  
the recorder including,

a first generator configured to generate first material identifiers for identifying respective pieces of material on the medium such that each piece is differentiated from other pieces on the medium,

a second generator configured to generate second identifiers for pieces of material, the second identifiers being generated in accordance with the first material identifiers and a recording medium identifier for identifying the recording medium upon which the material is recorded, and

a metadata generator configured to generate semantic metadata describing an attribute of the material, the semantic metadata associated with a corresponding first material identifier and the recording medium identifier, the semantic metadata including descriptive information about an actual content of the material, and the metadata generator configured to generate non-semantic metadata, to estimate an importance of the semantic metadata and the non-semantic metadata, and to prioritize recording of the respective metadata on a basis of the estimated importance.